Amendments to the Claims

Please amend the claims as follows:

- 1.-4. (Cancelled)
- 5. (Currently amended) A compound of the formula:

Formula I

wherein,

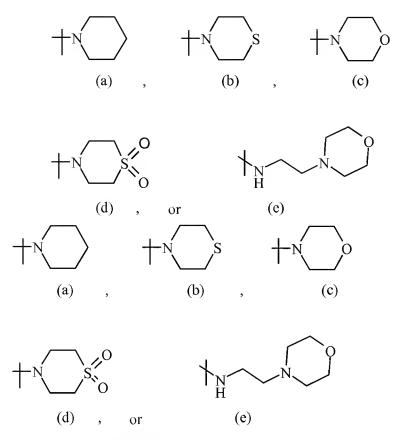
R1 represents hydrogen, halo, or (C1-C4)alkyl; and

R2 represents:

- (a) aryl;
- (b) aryl optionally substituted one to three times with a substituent independently selected from the group consisting of:
 - (i) halo,
 - (ii) amino,
 - (iii) nitro,
 - (iv) hydroxy,
 - (v) cyano,
 - (vi) $(C_1-C_4)alkyl,$
 - (vii) (C₁-C₄)alkoxy,
 - (viii) hydroxy(C₁-C₄)alkyl,
 - (ix) amino(C₁-C₄)alkyl
 - (x) hydroxy(C_1 - C_4)alkoxy,
 - (xi) halo(C₁-C₄)alkoxy,
 - (xii) (C₁-C₄)alkoxy(C₁-C₄)alkoxy,
 - (xiii) trifluoromethyl,
 - (xiv) difluoromethyl,
 - (xv) trifluromethoxy,
 - (xvi) difluoromethoxy,
 - (xvii) (C3-C7)cylcoalkyl,
 - (xviii) COR³,

- (xix) (C_1-C_4) alkyl-COR4,
- (xx) amino(C₁-C₄)alkyl- COR4,
- (xxi) hydroxy(C₁-C₄)alkyl- COR4
- (xxii) (C₁-C₄)alkoxy-COR5,
- (xxiii) -C(NH₂)=N-OH
- (xxiv) NHSO₂R⁶,
- (xxv) SO₂R⁷,
- (xxvi) NHCOR⁸,
- (xxvii) SOR⁹,
- (xxviii)SR¹⁰,
- (xxix) CONHR¹¹,
- (xxx) O-(CH₂)q-NR¹²R¹³, wherein q represents 1-4,
- (xxxi) tetrazole,
- (xxxii) methyltetrazole, and
- (xxxiii) CONCH-NR¹⁵R¹⁶
- (c) thiophen-2-yl, thiophen-3-yl, pyridin-4-yl, pyridin-3-yl, furan-3-yl, furan-2-yl, thiazol-2-yl, pyrazin-2-yl, pyridin-2-yl, 1H-pyrrol-2-yl, 1H-pyrrol-3-yl, pyrimidin-2-yl, pyrimidin-5-yl, imidazol-1-yl, [1,2,4]triazol-1-yl, pyrazol-1-yl, [1,2,3]triazol-1-yl, piperidin-1-yl, 1,1-Dioxo-1λ6-thiomorph-olin-4-yl, piperazin-1-yl, 4-methylthiophen-2-yl, 6-carboxypyridin-2-yl, 5-fluoropyridin-2-yl, 6-methoxypyridazin-3-yl, 2-aminopyrimidin-5-yl, 5-aminosulfonyl thiophen-2-yl, or 4-tert-butoxycarbonyl piperazin-1-yl;
- (d) benzofused heterocycle;
- (e) benzofused heterocycle optionally substituted one or two times with a substituent independently selected from the group consisting of:
 - (i) halo,
 - (ii) amino,
 - (iii) (C₁-C₄)alkyl,
 - (iv) (C₁-C₄)alkoxy, and
 - (v) (C₁-C₄)alkylcarbonyl, or
- (f) (C₃-C₇)cycloalkyl;

 R^3 represents independently at each occurrence amino, hydroxy, (C_1-C_4) alkyl, (C_1-C_4) alkoxy, NH- (C_1-C_4) alkylamine, N,N- (C_1-C_4) dialkylamine, or a heterocycle selected from the group consisting of:



 R^4 and R^5 represent independently at each occurrence amino, hydroxy, (C₁-C₄)alkyl, or (C₁-C₄)alkoxy;

R⁶ and R⁷ represent independently at each occurrence amino or (C1-C4)alkyl;

 R^8 represents independently at each occurrence amino, (C_1-C_4) alkyl, or (C_1-C_4) alkoxy;

 ${\rm R}^9$ and ${\rm R}^{10}$ represent independently at each occurrence (C1-C4)alkyl;

 R^{11} represents independently at each occurrence (C1-C4)alkyl or a substituent selected from the group consisting of:

- (a) $-(CH_2)_n X Y$
- (b) $-CH(COR^{14})-(CH_2)_m-X'-Y'$

(d)
$$+$$
 N

and (e)
$$+$$
 N
 $OC(CH_3)_3$

wherein,

n and m each independently represent 0-4;

X and X' represent independently at each occurrence -CO-, $-\text{CH}_2$ -, -NH-, -S-, or $-\text{SO}_2$ -; and

Y and Y' represent independently at each occurrence amino, hydroxy, (C_1-C_4) alkyl, (C_1-C_4) alkoxy, (C_1-C_4) alkoxycarbonyl, NH- (C_1-C_4) alkylamine, or N,N- (C_1-C_4) dialkylamine,

provided that where X or X' represents S, then Y or \underline{Y} ' \underline{Y} ' is not amino or hydroxy;

 R^{12} and R^{13} represent independently at each occurrence hydrogen or (C₁-C₄)alkyl, or R^{12} and R^{13} together with the nitrogen atom to which they are attached form a piperidino, pyrrolidino, morpholino or a methylpiperazino group;

 R^{14} represents independently at each occurrence hydroxy, amino, or $(C_1\text{-}C_4)$ alkoxy; and R^{15} and R^{16} each represent independently at each occurrence hydrogen or $(C_1\text{-}C_4)$ alkyl, or a pharmaceutically acceptable salt thereof.

6. (Previously presented) The compound according to Claim 5 wherein R1 represents hydrogen or (C₁-C₄)alkyl.

- 7. (Previously presented) The compound according to Claim 6 wherein R1 represents hydrogen or methyl.
 - 8. (Currently amended) The compound according to Claim 5 wherein R2 represents
 - (a) phenyl;
 - (b) phenyl optionally substituted one to three times with a substituent independently selected from the group consisting of:
 - (i) halo,
 - (ii) amino,
 - (iii) nitro,
 - (iv) hydroxy,
 - (v) cyano,
 - (vi) $(C_1-C_4)alkyl,$
 - (vii) (C₁-C₄)alkoxy,
 - (viii) amino(C₁-C₄)alkyl
 - (ix) hydroxy(C₁-C₄)alkoxy,
 - (x) $halo(C_1-C_4)alkoxy$,
 - (xi) (C₁-C₄)alkoxy(C₁-C₄)alkoxy,
 - (xii) trifluoromethyl,
 - (xiii) (C₃-C₇)cylcoalkyl,
 - (xiv) COR^3 ,
 - (xv) (C_1-C_4) alkyl-COR4,
 - (xvi) (C₁-C₄)alkoxy-COR5,
 - (xvii) NHSO₂R⁶,
 - (xviii) SO₂R⁷,
 - (xix) NHCOR⁸.
 - (xx) SOR⁹,
 - (xxi) SR¹⁰,
 - (xxii) CONHR¹¹, and
 - (xxiii) O-(CH₂)q-NR¹²R¹³, wherein q represents 1-4,
 - (c) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo thiomorpholinyl;
 - (d) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl optionally substituted one to three times with a substituent independently selected from the group consisting of:

- (i) fluoro, bromo, or chloro, (ii) amino, (iii) (C₁-C₄)alkyl, (xxiv) (C₁-C₄)alkoxy, (xxv) COR₃-, and (xxvi) SO₂R⁷,
- (e) benzimidazole, benzofuran, benzothiophene, benzo[1,3] dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-lH-2λ⁶-benzo[c]thiophene, or indole;
- (f) benzimidazole, benzofuran, benzothiophene, benzo[1,3] dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-IH-2λ⁶-benzo[e]thiophene, and indole optionally substituted one or two times with a substituent independently selected from the group consisting of:
 - (i) amino, and
 - (ii) (C₁-C₄)alkyl; or

(g) cyclohexyl.

- thiophen-2-yl, thiophen-3-yl, pyridin-4-yl, pyridin-3-yl, furan-3-yl, furan-2-yl, thiazol-2-yl, pyrazin-2-yl, pyridin-2-yl, 1H-pyrrol-2-yl, 1H-pyrrol-3-yl, pyrimidin-2-yl, pyrimidin-5-yl, imidazol-1-yl, [1,2,4]triazol-1-yl, pyrazol-1-yl, [1,2,3]triazol-1-yl, piperidin-1-yl, 1,1-Dioxo-1λ6-thiomorph-olin-4-yl, piperazin-1-yl, 4-methylthiophen-2-yl, 6-carboxypyridin-2-yl, 5-fluoropyridin-2-yl, 6-methoxypyridazin-3-yl, 2-aminopyrimidin-5-yl, 5-aminosulfonyl thiophen-2-yl, or 4-tert-butoxycarbonyl piperazin-1-yl;
- (d) benzofused heterocycle;
- (e) benzofused heterocycle optionally substituted one or two times with a substituent independently selected from the group consisting of:
 - (vi) halo,
 - (vii) amino,
 - (viii) (C₁-C₄)alkyl,
 - (ix) (C_1-C_4) alkoxy, and
 - (x) (C₁-C₄)alkylcarbonyl, or
- (f) (C₃-C₇)cycloalkyl.
- 9. (Currently amended) The compound according to Claim 8 wherein R2 represents
 - (a) phenyl;
 - (b) phenyl optionally substituted one to three times with a substituent independently selected from the group consisting of:
 - (i) fluoro, bromo, or chloro,
 - (ii) amino,

- (iii) nitro,
- (iv) hydroxy,
- (v) cyano,
- (vi) methyl, ethyl, propyl, butyl, i-butyl,
- (vii) methoxy or ethoxy,
- (viii) aminomethyl or aminoethyl,
- (ix) hydroxy methoxy or hydroxy ethoxy,
- (x) 2-fluoro ethoxy or 2-trifluoro ethoxy,
- (xi) methoxy ethoxy,
- (xii) trifluoromethyl,
- (xiii) cyclohexyl,
- (xiv) COR³, wherein R3 represents amino, hydroxy, (C₁-C₄)alkyl, (C₁-C₄)alkoxy, N,N-(C₁-C₄)dialkylamine,
- or a heterocycle selected from the group consisting of:

$$+N \longrightarrow +N \longrightarrow S \longrightarrow +N \longrightarrow O$$

$$+N \longrightarrow O \longrightarrow +N \longrightarrow N$$

$$(d) , \text{ or } (e)$$

$$+N \longrightarrow S \longrightarrow N$$

$$(i) , \text{ (iii) } , \text{ (iiii)}$$

$$+N \longrightarrow S \longrightarrow O$$

$$(iv) , \text{ or } (v)$$

(xv) (C₁-C₄)alkyl-COR4, wherein R4 represents hydroxy, amino, or (Cl-C4)alkoxy,

(xvi) (C₁-C₄)alkoxy-COR5, wherein R5 represents hydroxyl or amino,

(xvii) NHSO₂R⁶, wherein R6 represents (Cl-C4)alkyl,

(xviii) SO₂R⁷, wherein R7 represents amino or (C1-C4)alkyl,

(xix) NHCOR⁸, wherein R8 represents methyl,

(xx) SOR⁹, wherein R9 represents methyl,

(xxi) SR¹⁰, wherein RIO represents methyl or ethyl,

(xxii) CONHR¹¹, wherein R11 represents -(CH₂)n-X-Y, where n=0-2, X represents -S-, -CH₂ -, -(CH₂)₂-, -NH-, -CO-, or -SO₂ -, and Y represents amino, (Cl-C4)alkyl, (Cl-C4)alkoxycarbonyl, or NH-(Cl-C4)alkylamine; or wherein R11 represents CH(COR14)-(CH₂)m-X'-Y" where R14 represents hydroxy or (Cl-C4)alkoxy, m=0-4, X' represents -S-, -CH₂ -, -NH-, or -CO-, and Y' represents represents amino, hydroxy, (Cl-C4)alkyl, or (Cl-C4)alkoxycarbonyl; or wherein R11 represents a group selected from the following:

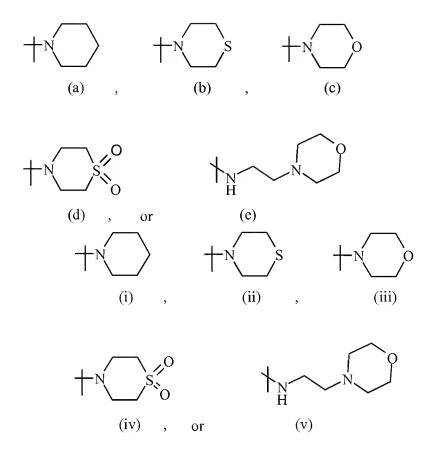
(b)
$$+$$
 N

and (c)
$$+$$
 N
 $OC(CH_3)_3$

(xxiii) O-(CH2)q-NR¹²R¹³, wherein q represents 1-3, R12 and R13 independently represent hydrogen or methyl or R12 and R13 together with the nitrogen to which they are attached form a piperidino, pyrrolidino, morpholino or a methylpiperazino group;

- (c) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl;
- (d) thiopheneyl, furanyl, imidazolyl, pyrazolyl, pyrrolyl, thiazolyl, triazolyl, pyridinyl, pyrimidyl, pyrazinyl, pyridiazinyl, piperidinyl, piperazinyl, pyrimidinyl, or dioxo-thiomorpholinyl optionally substituted one to three times with a substituent independently selected from the group consisting of:
 - (i) fluoro, bromo, or chloro,
 - (ii) amino,
 - (iii) methyl,
 - (iv) methoxy,
 - (v) COR³, wherein R3 represents hydroxy, (Cl-C4)alkoxy or pyridine,
 - (vi) SO₂R⁷, wherein R7 represents amino
- (e) benzimidazole, benzofuran, benzothiophene, benzo[1,3] dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-IH-2\(\lambda^6\)-benzo[c]thiophene, or indole;
- (f) benzimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro-IH-2λ⁶-benzo[e]thiophene, and indole optionally substituted one or two times with a substituent independently selected from the group consisting of:
 - (i) amino, or
 - (ii) methyl; or
- (g) eyelohexyl.
- (c) thiophen-2-yl, thiophen-3-yl, pyridin-4-yl, pyridin-3-yl, furan-3-yl, furan-2-yl, thiazol-2-yl, pyrazin-2-yl, pyridin-2-yl, 1H-pyrrol-2-yl, 1H-pyrrol-3-yl, pyrimidin-2-yl, pyrimidin-5-yl, imidazol-1-yl, [1,2,4]triazol-1-yl, pyrazol-1-yl, [1,2,3]triazol-1-yl, piperidin-1-yl, 1,1-Dioxo-1λ6-thiomorph-olin-4-yl, piperazin-1-yl, 4-methylthiophen-2-yl, 6-carboxypyridin-2-yl, 5-fluoropyridin-2-yl, 6-methoxypyridazin-3-yl, 2-aminopyrimidin-5-yl, 5-aminosulfonyl thiophen-2-yl, or 4-tert-butoxycarbonyl piperazin-1-yl;
- (d) ____benzofused_heterocycle;
- (e) benzofused heterocycle optionally substituted one or two times with a substituent independently selected from the group consisting of:
 - (i) amino or
 - (ii) methyl; or
- (f) (C₃-C₇)cycloalkyl;

- 10. (Previously presented) The compound according to Claim 9 wherein R2 represents phenyl or phenyl optionally substituted one to three times with a substituent independently selected from the group consisting of:
 - (i) fluoro, bromo, or chloro,
 - (ii) amino,
 - (iii) nitro,
 - (iv) hydroxy,
 - (v) cyano,
 - (vi) methyl, ethyl, propyl, butyl, i-butyl,
 - (vii) methoxy or ethoxy,
 - (viii) aminomethyl or aminoethyl,
 - (ix) hydroxy methoxy or hydroxy ethoxy,
 - (x) 2-fluoro ethoxy or 2-trifluoro ethoxy,
 - (xi) methoxy ethoxy,
 - (xii) trifluoromethyl,
 - (xiii) cyclohexyl,
 - (xiv) COR³, wherein R3 represents amino, hydroxy, (Cl-C4)alkyl, (Cl-C4)alkoxy, N,N-(C1-C4)dialkyiamine, or a heterocycle selected from the group consisting of:



- (xv) (C₁-C₄)alkyl-COR4, wherein R4 represents hydroxy, amino, or (Cl-C4)alkoxy,
- (xvi) (C₁-C₄)alkoxy-COR5, wherein R5 represents hydroxyl or amino,
- (xvii) NHSO₂R⁶, wherein R6 represents (Cl-C4)alkyl,
- (xviii) SO₂R⁷, wherein R7 represents amino or (C1-C4)alkyl,
- (xix) NHCOR⁸, wherein R8 represents methyl,
- (xx) SOR⁹, wherein R9 represents methyl,
- (xxi) SR¹⁰, wherein RIO represents methyl or ethyl,
- (xxii) CONHR¹¹, wherein R11 represents -(CH₂)n-X-Y, where n=0-2, X represents -S-, -CH₂ -, -(CH₂)₂-, -NH-, -CO-, or -SO₂ -, and Y represents amino, (Cl-C4)alkyl, (Cl-C4)alkoxycarbonyl, or NH-(Cl-C4)alkylamine; or wherein R11 represents CH(COR14)-(CH₂)m-X'-Y" where R14 represents hydroxy or (Cl-C4)alkoxy, m=0-4, X' represents -S-, -CH₂ -, -NH-, or -CO-, and Y' represents represents amino, hydroxy, (Cl-C4)alkyl, or (Cl-C4)alkoxycarbonyl; or wherein R11 represents a group selected from the following:

(a)
$$+$$

$$OOO$$
(b) $+$

$$N$$

$$H$$
and (c) $+$

$$OC(CH_3)$$

(xxiii) O-(CH₂)q-NR¹²R¹³, wherein q represents 1-3, R12 and R13 independently represent hydrogen or methyl or R12 and R13 together with the nitrogen to which they are attached form a piperidino, pyrrolidino, morpholino or a methylpiperazino group.

- 11. (Cancelled).
- 12. (Previously presented) The compound according to Claim 9 wherein R2 represents benzimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro- I H- $2\lambda^6$ -benzo[c]thiophene, indole; or benzoimidazole, benzofuran, benzothiophene, benzo[1,3]-dioxolyl, benzothiazole, 2,2-dioxy-2,3-dihydro- I H- $2\lambda^6$ -benzo[c]thiophene, or indole optionally substituted one or two times with a substituent independently selected from the group consisting of:
 - (i) amino, or
 - (ii) methyl.
- 13. (Previously presented) A pharmaceutical composition comprising as an active ingredient a compound according to Claim 5 in combination with a pharmaceutically acceptable carrier, diluent or excipient.
 - 14. (Cancelled).